In the Claims

The following Listing of Claims replaces all prior versions in the application:

LISTING OF CLAIMS

1.   (Currently amended) A method for evaluating the bandwidth between a first point and a second point liable to exchange digital data packets in a telecommunications network including a plurality of sub-networks, characterized in that it includes the following steps:

for each transmission direction through at least one of said sub-networks,

a. associating a same identifier with the quasi-simultaneously transmitted packets,

b. time-stamping and recording the received packets,

c. identifying and sorting the packets received with the same identifier,

d. selecting the largest possible integral integer number m of groups of packets with the same identifier,

e. measuring the time intervals separating the instants when the packets of the selected groups are received by the second point,

f. calculating the bandwidth according to the number of packets of the selected groups and to the total transmission time of these packets.

2.   (Original) The method according to claim 1, characterized in that the bandwidth is calculated with the following expression:

$$\overline{BW} = \frac{1}{m}\sum_{i=1}^{m}\left[\frac{1}{n_m}\sum_{i=1}^{n_m-1}\frac{l_{i,m}}{t_{(i+1),m}-t_{i,m}}\right]$$

wherein:

- $l_{i,m}$ represents the length of the packet of rank i of the mth group of packets,

- t_i represents the time mark of the packet of rank i of the mth group of packets,

- t_{i+1} represents the time mark of the packet of rank i+1 of mth group of packets,

- n represents the number of packets of the mth group of packets.

3.   (Original) The method according to claim 2, characterized in that the number m is largest than or equal to 1.

4.   (Previously presented) The method according to claim 1, characterized in that marking of the data packets is achieved at the transmitting point upon a request from the receiving point.

5.   (Currently amended) The method according to claim 1, characterized in ~~that the evaluation of~~ the bandwidth is ~~achieved~~ evaluated on-line.

6.   (Currently amended) The method according to claim 1, characterized in that the ~~evaluation of the~~ bandwidth is ~~achieved~~ evaluated off-line.

7.   (Previously presented) The method according to claim 1, characterized in that the telecommunications network is of the IP type.

8.   (Currently amended) A device for evaluating the bandwidth between a first point and a second point liable to exchange digital data packets in a telecommunications network including a module for marking the transmitted packets and a module for analyzing the received packets, ~~characterized in that the analysis module includes~~ comprising,

   ~~•means for time-stamping the received packets,~~

   ~~•means for sorting the received packets,~~

   ~~•means for measuring the time intervals separating the instants when the transmitted packets are received by the second point,~~

   ~~•means for calculating the bandwidth.~~

   g.   means for associating a same identifier with quasi-simultaneously transmitted packets for each transmission direction through at least one of said sub-networks,

   h.   means for time-stamping and recording received packets,

   i.   means for identifying and sorting the packets received with the same identifier,

   j.   means for selecting the largest possible integer number m of groups of packets with the same identifier,

k.   means for measuring the time intervals separating the instants when the packets of the selected groups are received by the second point,

l.   means for calculating the bandwidth according to the number of packets of the selected groups and to the total transmission time of these packets.

9.   (Canceled)